

# Waterproofing membrane FATRAFOL P 922

TL 5-1024-11

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## Product description

FATRAFOL P 922 is a non reinforced waterproofing membrane on a basis of modified polyolefins, T - type according to the EN 13967 Standard. FATRAFOL P 922 is produced by extrusion.

## Usage

FATRAFOL P 922 membrane is identified for ground building waterproofing due to water protection including waters of higher chemical aggressiveness and simultaneously also for the protection from ground waters against leakages of further mentioned oil substances.

It is suitable e.g. for sealing of handling areas, emergency and leakage sumps against to leakage of gasoline, petroleum, diesel fuel and heating oil, furnace and transformer oils. The membrane of a thickness of 1.50 mm is suitable as a waterproofing to power water. The membrane of a thickness of 2.00 mm is identified for detail finishing.

The membrane can be applied as a build-in membrane into the waterproofing complex of strata within the waterproofing building systems, only; the membrane is not identified like an upper coating layer and cannot be used for inlaying the reservoirs of the long-term storage with oil substances.

## Application

The laying of FATRAFOL P 922 can be made by specialized and for this purpose trained firms at the constructions.

FATRAFOL P 922 is applied conformable with fundamentals being set and described in a Construction and Technologic Instruction of the producer, being valid in the time of waterproofing providing.

Membrane can be mutual jointed by hot air welding or heat key, devices with temperature regulation. Temperature and welding speed settings must go out from the trials being provided directly under given conditions at the installation. Due to providing a perfect joint there is not necessary to treat the membrane by solvents. The pond liner application can be provided under the temperature till up to 0 °C.

## Product data

FATRAFOL P 922 fulfils the requirements of the Standard EN 13967.

## Dimensions:

Thickness [mm] (ČSN EN 1849-2)	Width [mm] (ČSN EN 1848-2)	Length [m] (ČSN EN 1848-2)	Quantity [m <sup>2</sup> ]
1.00 ± 0.10	2000 (-10; +20)	30 (-0; +1.5)	60
1.50 ± 0.15	2000 (-10; +20)	20 (-0; +1.0)	40
2.00 ± 0.15	1000 (-5; +10)	5 (-0, +0,25)	5

**Colour:** FATRAFOL P 922 is produced in colour of black RAL 9011 and white RAL 9003.

**Packing, transport, storage:** FATRAFOL P 922 is packed into the rolls, which are laid on the wood pallets and fixed by a packing film. FATRAFOL P 922 must be transported in covered transporting means and stored in original closed packing. The recommended storage temperature is from -5 °C to +30 °C. There is necessary to protect the product from pollution at the building site. There is recommended to protect it from weathering influences till the processing time.

**Technical parameters:**

Characteristic		Test standard	Values of individual product thicknesses		
			1.00 mm	1.50 mm	2.00 mm
Visible defects		EN 1850-2	meets	meets	meets
Straightness		EN 1848-2	≤ 50 mm	≤ 50 mm	-
Maximum tensile force	MD	EN 12311-2 method A	≥ 600 N/50 mm	≥ 850 N/50 mm	≥ 950
	CD		≥ 600 N/50 mm	≥ 850 N/50 mm	≥ 950
Elongation at maximum tensile force	MD		≥ 700 %	≥ 700 %	≥ 700
	CD		≥ 700 %	≥ 700 %	≥ 700
Tear resistance	MD	EN 12310-1	≥ 350 N	≥ 500 N	≥ 600
	CD		≥ 350 N	≥ 500 N	≥ 600
Foldability at low temperature		EN 495-5	≤ -40 °C	≤ -40 °C	≤ -40 °C
Joint strength	MD	EN 12317-2	≥ 400 N/50 mm	≥ 600 N/50 mm	≥ 700
	CD		≥ 400 N/50 mm	≥ 600 N/50 mm	≥ 700
Water tightness to liquid water, 400 kPa		EN 1928 method B	meets	meets	meets
Durability of watertightness against artificial ageing		EN 1296 EN 1928	meets	meets	meets
Durability of watertightness against chemicals [Ca (OH) <sub>2</sub> ; 10% NaCl]		EN 1847 EN 1928	meets	meets	meets
Resistance to static load		EN 12730 method B	meets 20 kg	meets 20 kg	meets 20 kg
Reaction to fire		EN 13501-1	Class E	Class E	Class E
Resistance to impact		EN 12691 method A	meets 500 mm	meets 700 mm	meets 700 mm
		EN 12691 method B	meets 2000 mm	meets 2000 mm	meets 2000 mm
Water vapour properties - factor μ		EN 1931	240000 ± 35000	240000 ± 35000	240000 ± 35000
Mass per unit area - informative value		EN 1849-2	0.90 kg/m <sup>2</sup>	1.35 kg/m <sup>2</sup>	1.80 kg/m <sup>2</sup>

MD - Machine Direction, CD - Cross Direction

## Safety instruction

### Scrap disposal

FATRAFOL P 922 must be disposed conformable with valid legal regulations. The clear scrap can be recycled or used for energy, scrap not suitable for recycling you can depony. Waste, polluted by dangerous substances, is necessary to dispose by burning in the incinerator of dangerous wastes.

### Safety at work and health protection

There is necessary to keep all safety, hygienic and fire regulations valid in the time of laying and membrane joining.

## Related documentation

- Construction and technological instruction of the FATRAFOL-H waterproofing system
- Certificate of production control system No. 1390-CPD-0011/11/Z of waterproofing membrane FATRAFOL P 922 according to Standard ČSN EN 13967:2005/A1:2007 emitted by CSI, a. s., Prague, workstation Zlín

## Producer

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